

Product datasheet for **MR200892L3V**

Mdk (NM_010784) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mdk (NM_010784) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mdk
Synonyms:	Mek; MK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_010784
ORF Size:	423 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200892).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_010784.4
RefSeq Size:	1077 bp
RefSeq ORF:	423 bp
Locus ID:	17242
UniProt ID:	P12025
Cytogenetics:	2 50.63 cM



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Gene Summary:

This gene encodes a secreted growth factor that belongs to the pleiotrophin/midkine heparin-binding protein family and functions in a variety of biological processes. The encoded cytokine promotes the growth, differentiation, survival and migration of several target cells including leucocytes involved in inflammation. This protein plays a role in the formation of scar tissue and intraperitoneal adhesions, and promotes neurite outgrowth and neuron survival. The protein encoded by this gene is associated with obesity and inhibition of insulin signaling in fat cells. A pseudogene of this gene is present on chromosome 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]